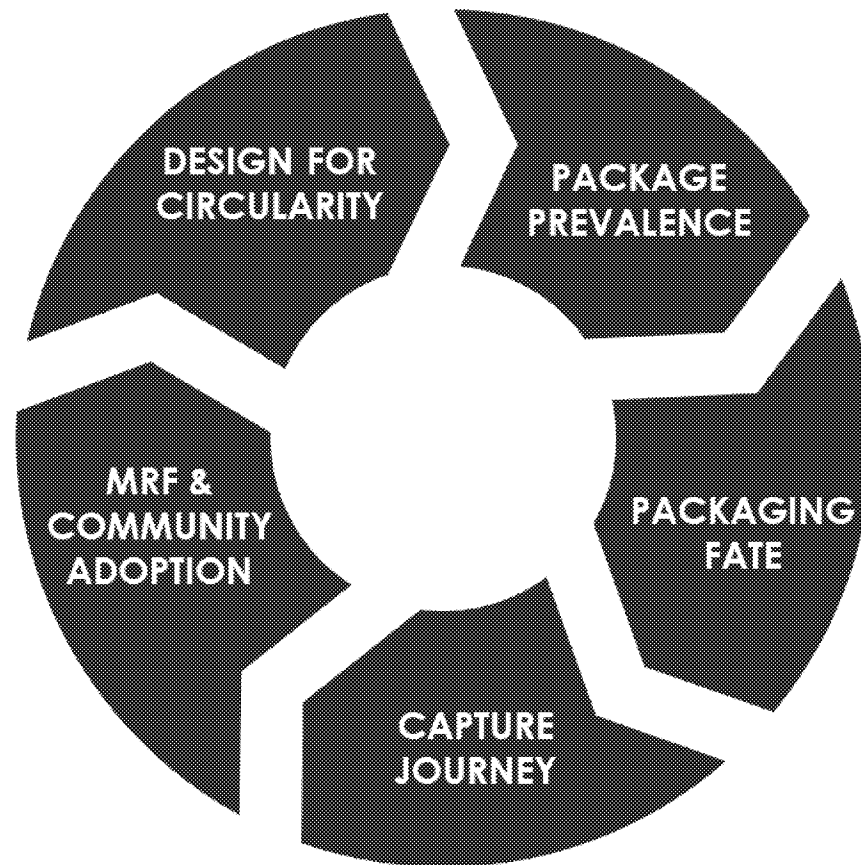
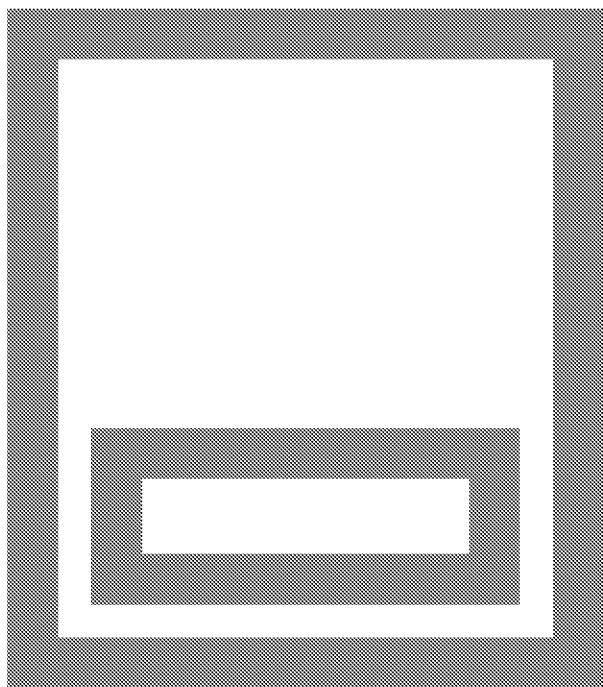




PATHWAY to CIRCULARITY

AN INITIATIVE OF THE RECYCLING PARTNERSHIP





Contents

- What is the Pathway to Circularity?
 - ✓ *Pathway Framework*
 - ✓ *Material Coalition Examples*
- Strategic Assessment to Circularity
- Circularity Council

What is The Pathway To Circularity?

THE RECYCLING PARTNERSHIP'S PATHWAY TO CIRCULARITY

The Pathway to Circularity will:

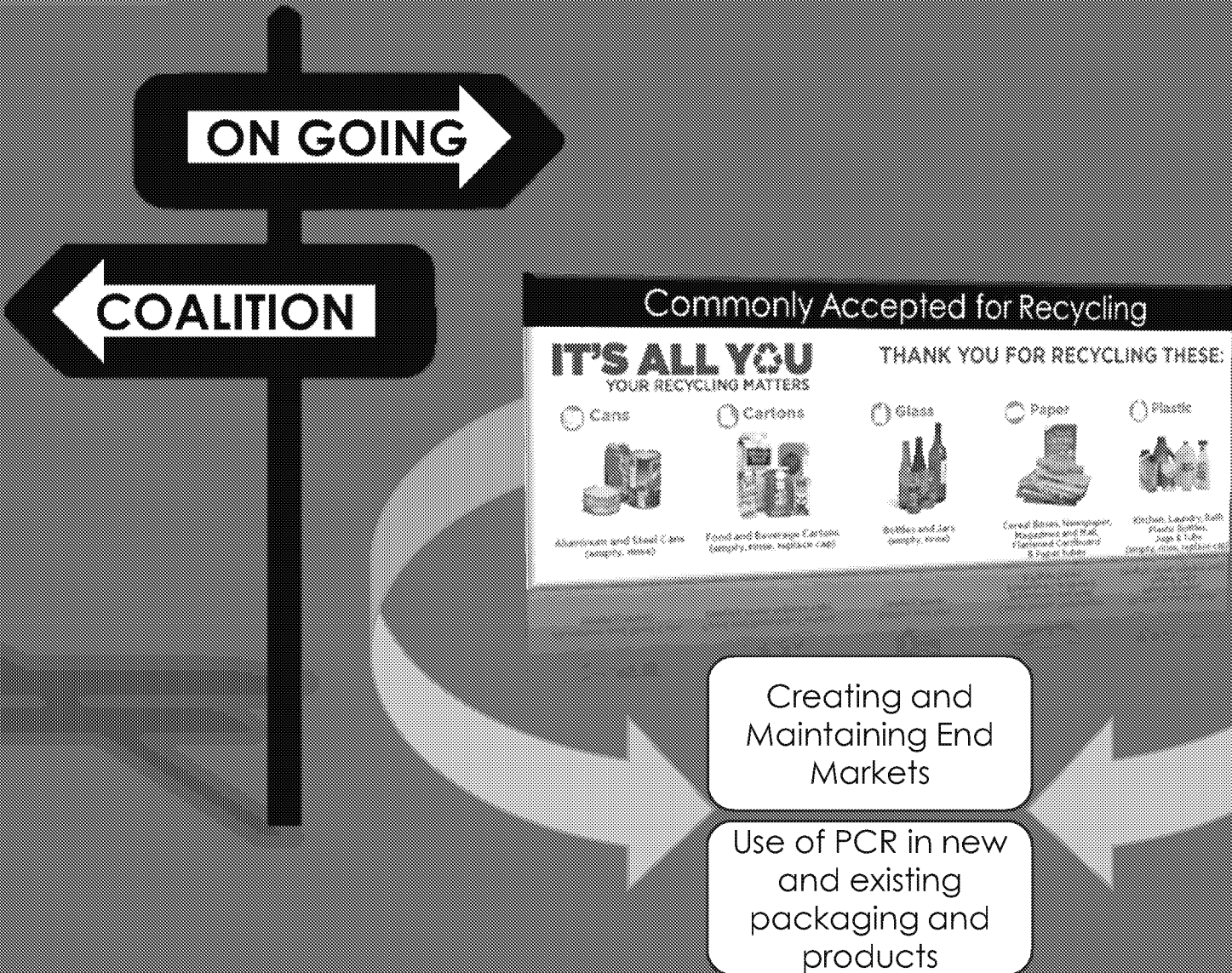
- be an action-oriented, solutions-based initiative
- outlining, addressing & successfully navigating current & future packaging recycling system challenges.



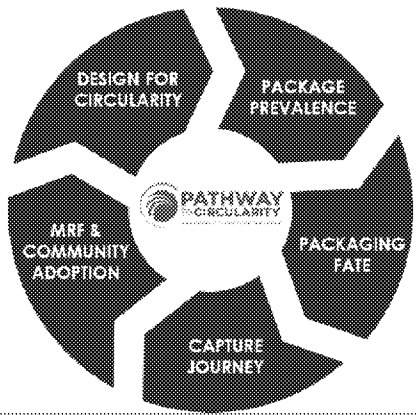
“COMMONLY ACCEPTED” FOR RECYCLING
... is a moment in time

The **Pathway to Circularity** is a living and changing roadmap.

Attaining ‘**Commonly Accepted for Recycling**’ is not an end point, but a milestone that needs continuous evaluation & at times additional work to ensure sustaining practices.



Pathway Framework

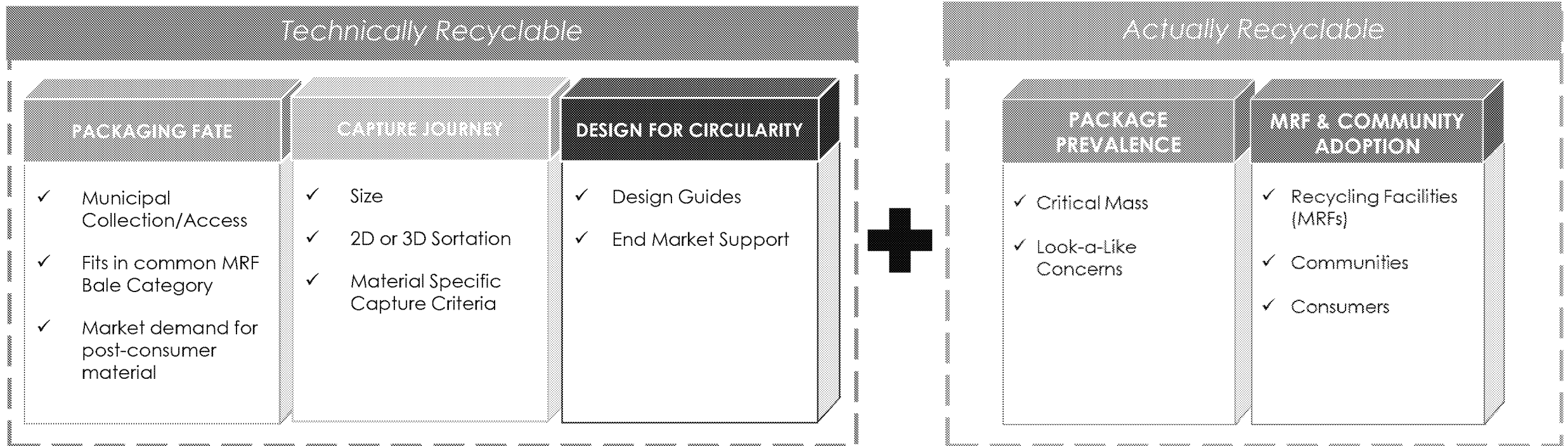


Pathway to Circularity Building Blocks

PACKAGING FATE	CAPTURE JOURNEY	DESIGN FOR CIRCULARITY	PACKAGE PREVALENCE	MRF & COMMUNITY ADOPTION
<ul style="list-style-type: none"> ✓ Municipal Collection/Access ✓ Fits in common MRF Bale Category ✓ Market demand for post-consumer material 	<ul style="list-style-type: none"> ✓ Size ✓ 2D or 3D Sortation ✓ Material Specific Capture Criteria 	<ul style="list-style-type: none"> ✓ Design Guides ✓ End Market Support 	<ul style="list-style-type: none"> ✓ Critical Mass ✓ Look-a-Like Concerns 	<ul style="list-style-type: none"> ✓ Recycling Facilities (MRFs) ✓ Communities ✓ Consumers

If all building blocks requirements are not met, the material is not circular; there is an opportunity to form a coalition

Strategic Assessment to Circularity



Of note: Some of the materials we've found helpful to test the Pathway to Circularity are:

- Tubes
- Cartons
- EPP and EPE
- Black Plastic
- Pouches
- Paper cups
- Polypropylene
- Films

PACKAGING FATE

KEY QUESTIONS

- 1. Does the package have a successful circular packaging fate?**
- 2. Is there adequate recycling system demand/pull?**

KEY ELEMENTS

1. Municipal Collection/Access
2. Fits in Common MRF Bale Category
3. Market Demand for Post-Consumer Recycled Material (PCR)

CAPTURE JOURNEY

KEY QUESTIONS

1. Does it successfully sort at the MRF at the XX% MRF capture rate threshold?

KEY ELEMENTS

1. Size
2. 2D or 3D Sortation
3. Material Specific Capture Criteria

DESIGN FOR CIRCULARITY

KEY QUESTIONS

1. Is the package designed to bring value to end markets?

KEY ELEMENTS

1. Design Guides
2. End Market Support

PACKAGE PREVALENCE

KEY QUESTIONS

1. Is the recyclable package a commonly used package in the industry?
2. Does the package design have **CRITICAL MASS** (XX% threshold)?

KEY ELEMENTS

1. Critical Mass
2. Look-a-Like Concerns

MRF & COMMUNITY ADOPTION

KEY QUESTIONS

1. Does the majority of MRF processing volume accept this package as recyclable?
2. Do communities and municipal recycling programs include this material/package in current education flyers, websites, etc.?

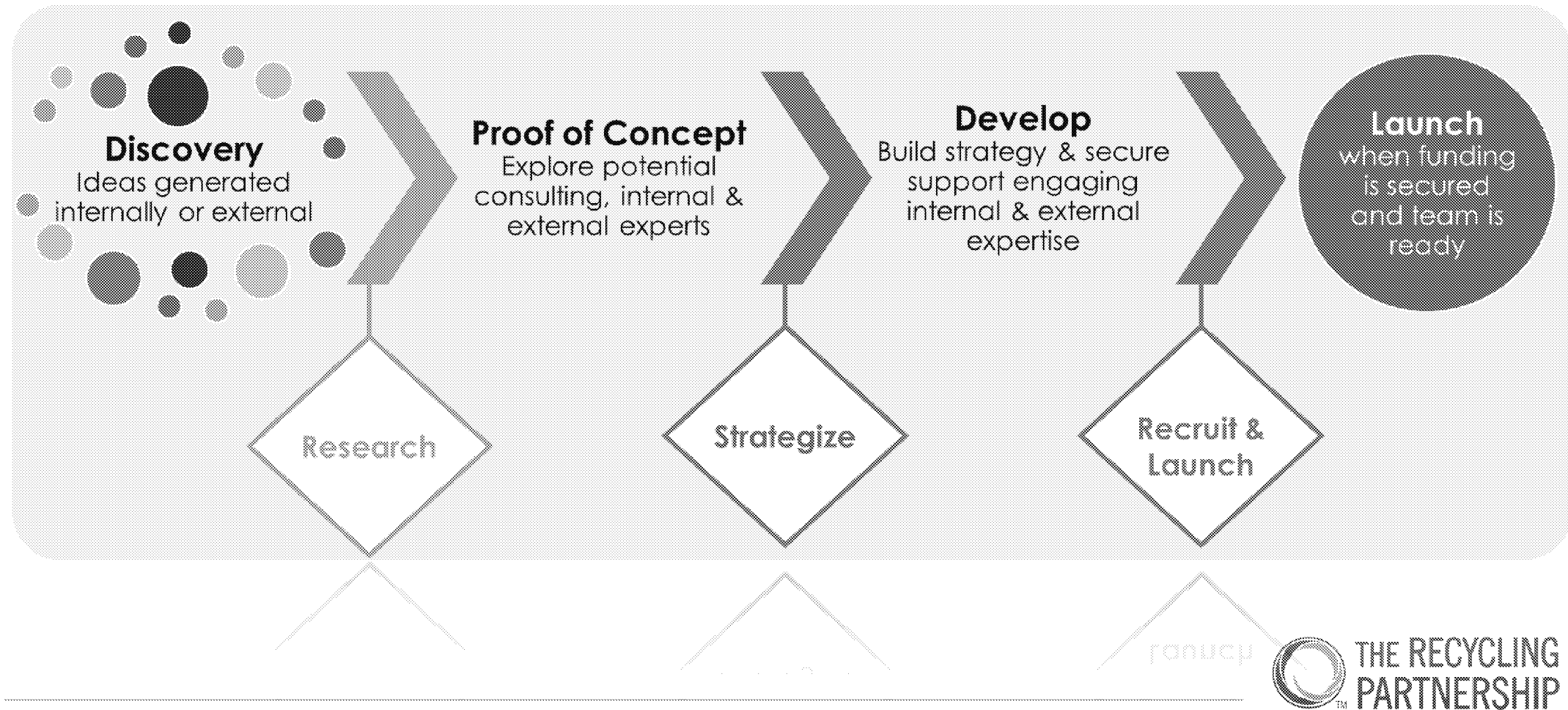
KEY ELEMENTS

1. Recycling Facilities (MRFs)
2. Communities
3. Consumers

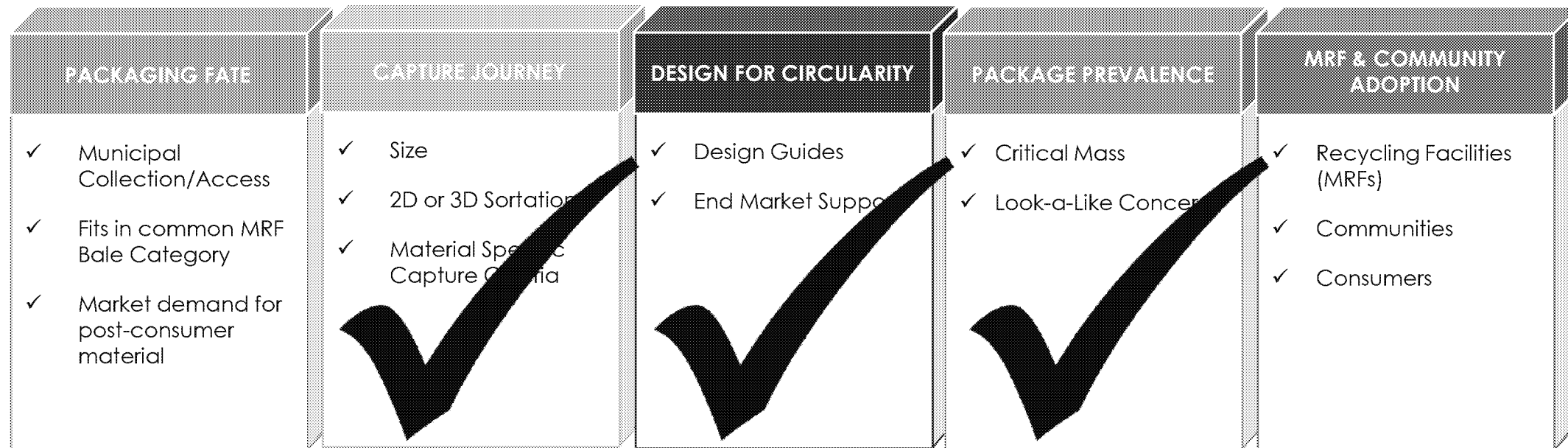
Pathway to Circularity

Material Coalitions

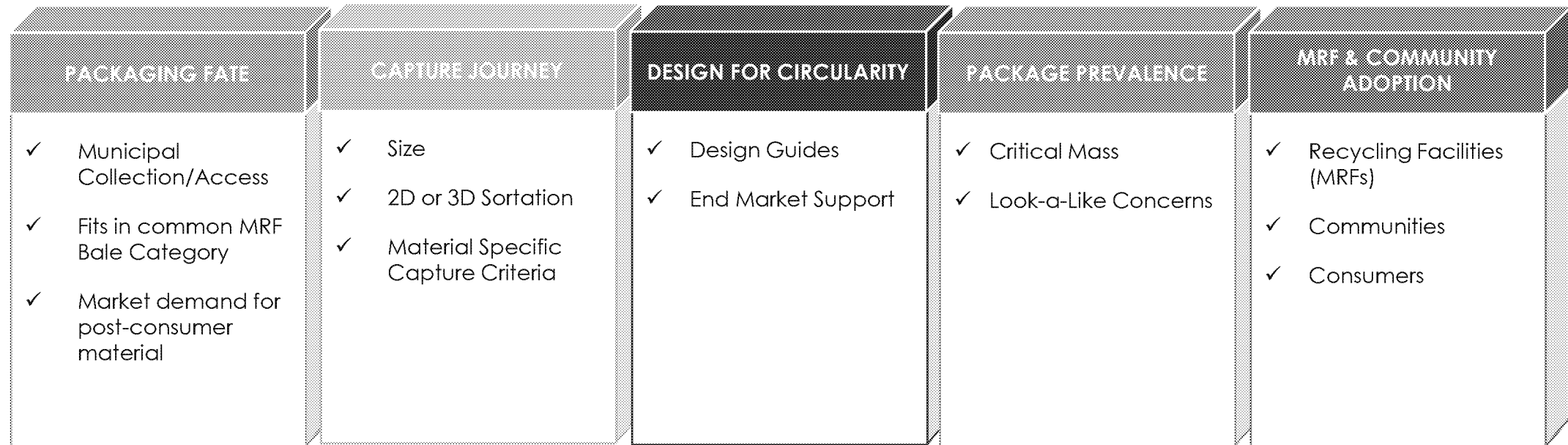
When and How does a Coalition Form?



Polypropylene is a material of value & enjoys successful recycling in some communities/MRFs. This Coalition will focus on increasing curbside access for PP, assisting MRFs with sorting PP & maintaining vibrant, robust end markets



Films & Flexibles face a variety of recycling challenges. This Coalition will focus to increase recovery & utilization plastic film & flexible packaging materials for recycling and will involve every part of the Pathway to Circularity.



Pathway to Circularity Industry Council

Circularity Council: Who, What, and Why

WHO

36 industry stakeholders, representing all material types and as many industry organizations

WHAT

Addressing principals, overarching ideas & grey areas/concepts within the Pathway.

Defining industry thresholds needed to successfully navigate recyclability & circularity of packaging materials today.

WHY

The Pathway addresses limitations associated with recyclability & circularity of packaging materials & may involve effecting system change and hence industry alignment & consensus.

The Circularity Council objective is to form a cohesive network to enable industry alignment and catalyze change.

Possible Circularity Council Decisions

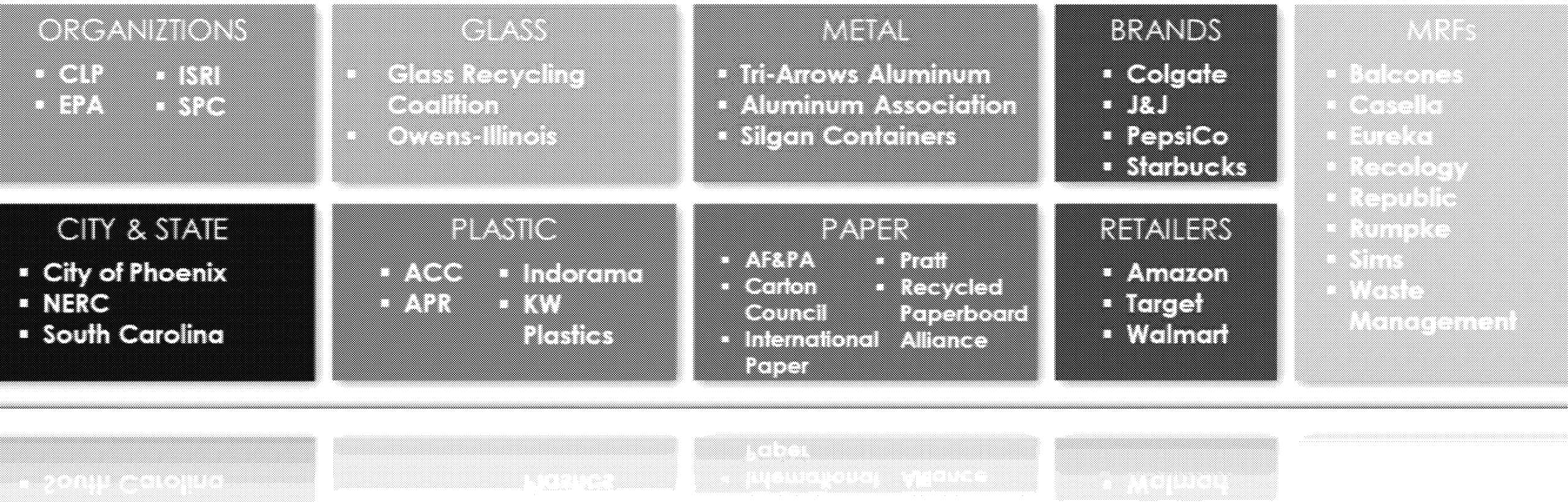
- ✓ Align on & define key industry thresholds
 - MRF Capture Rate Threshold
 - Critical Mass Threshold(EX.: 75% (Critical Mass), 90% (MRF Capture))
- ✓ Alignment & support for current design guides & testing protocols
(Ex. APR Design Guide or 2D/3D Sorting Protocol)
- ✓ Recyclability labeling as a requirement

Cadence

- Quarterly Meetings (TBC)
- First Meeting June 2020



Pathway to Circularity Industry Council



Questions & Discussion